

SEQUENCE LISTING

<110> IMMUNEX CORPORATION
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<120> METHODS OF USING FLT3-LIGAND IN HEMATOPOIETIC CELL
 TRANSPLANTATION PROCEDURES INCORPORATING NONMYELOABLATIVE
 CONDITIONING REGIMENS

<130> 3191-A

<140> --to be assigned--

<141> 2003-12-08

<150> 60/431,266

<151> 2002-12-06

<160> 8

<170> PatentIn version 3.2

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<212> DNA

<213> Homo sapien

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 <221> CDS
 <222> (57)..(752)

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 Thr Val Leu Ala Pro Ala Trp Ser Pro Asn Ser Ser Leu Leu Leu Leu
 5 10 15

ttg ctg ctg ctg agt cct tgc ctg cgg ggg aca cct gac tgt tac ttc 155
 Leu Leu Leu Leu Ser Pro Cys Leu Arg Gly Thr Pro Asp Cys Tyr Phe
 20 25 30

agc cac agt ccc atc tcc tcc aac ttc aaa gtg aag ttt aga gag ttg 203
 Ser His Ser Pro Ile Ser Ser Asn Phe Lys Val Lys Phe Arg Glu Leu
 35 40 45

act gac cac ctg ctt aaa gat tac cca gtc act gtg gcc gtc aat ctt 251
 Thr Asp His Leu Leu Lys Asp Tyr Pro Val Thr Val Ala Val Asn Leu
 50 55 60 65

cag gac gag aag cac tgc aag gcc ttg tgg agc ctc ttc cta gcc cag 299
 Gln Asp Glu Lys His Cys Lys Ala Leu Trp Ser Leu Phe Leu Ala Gln
 70 75 80

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 Arg Trp Ile Glu Gln Leu Lys Thr Val Ala Gly Ser Lys Met Gln Thr

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ctt	ctg	gag	gac	gtc	aac	acc	gag	ata	cat	ttt	gtc	acc	tca	tgt	acc	395		
Leu	Leu	Glu	Asp	Val	Asn	Thr	Glu	Ile	His	Phe	Val	Thr	Ser	Cys	Thr			
		100					105					110						
ttc	cag	ccc	cta	cca	gaa	tgt	ctg	cga	ttc	gtc	cag	acc	aac	atc	tcc	443		
Phe	Gln	Pro	Leu	Pro	Glu	Cys	Leu	Arg	Phe	Val	Gln	Thr	Asn	Ile	Ser			
	115					120					125							
cac	ctc	ctg	aag	gac	acc	tgc	aca	cag	ctg	ctt	gct	ctg	aag	ccc	tgt	491		
His	Leu	Leu	Lys	Asp	Thr	Cys	Thr	Gln	Leu	Leu	Ala	Leu	Lys	Pro	Cys			
130					135					140					145			
atc	ggg	aag	gcc	tgc	cag	aat	ttc	tct	cgg	tgc	ctg	gag	gtg	cag	tgc	539		
Ile	Gly	Lys	Ala	Cys	Gln	Asn	Phe	Ser	Arg	Cys	Leu	Glu	Val	Gln	Cys			
				150					155					160				
cag	ccg	gac	tcc	tcc	acc	ctg	ctg	ccc	cca	agg	agt	ccc	ata	gcc	cta	587		
Gln	Pro	Asp	Ser	Ser	Thr	Leu	Leu	Pro	Pro	Arg	Ser	Pro	Ile	Ala	Leu			
			165					170					175					
gaa	gcc	acg	gag	ctc	cca	gag	cct	cgg	ccc	agg	cag	ctg	ttg	ctc	ctg	635		
Glu	Ala	Thr	Glu	Leu	Pro	Glu	Pro	Arg	Pro	Arg	Gln	Leu	Leu	Leu	Leu			
		180					185					190						
ctg	ctg	ctg	ctg	cct	ctc	aca	ctg	gtg	ctg	ctg	gca	gcc	gcc	tgg	ggc	683		
Leu	Leu	Leu	Leu	Pro	Leu	Thr	Leu	Val	Leu	Leu	Ala	Ala	Ala	Trp	Gly			
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ctt	cgc	tgg	caa	agg	gca	aga	agg	agg	ggg	gag	ctc	cac	cct	ggg	gtg	731		
Leu	Arg	Trp	Gln	Arg	Ala	Arg	Arg	Arg	Gly	Glu	Leu	His	Pro	Gly	Val			
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ccc	ctc	ccc	tcc	cat	ccc	tag	gattcgagcc	ttgtgcatcg	ttgactcagc							782		
Pro	Leu	Pro	Ser	His	Pro													
				230														
caggggtctta	tctcgggttac	acctgtaatc	tcagcccttg	ggagcccaga	gcaggattgc											842		
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			20					25					30			
Phe	Ser	His	Ser	Pro	Ile	Ser	Ser	Asn	Phe	Lys	Val	Lys	Phe	Arg	Glu	
		35					40					45				
Leu	Thr	Asp	His	Leu	Leu	Lys	Asp	Tyr	Pro	Val	Thr	Val	Ala	Val	Asn	
		50				55					60					

Leu Gln Asp Glu Lys His Cys Lys Ala Leu Trp Ser Leu Phe Leu Ala
 65 70 75 80
 Gln Arg Trp Ile Glu Gln Leu Lys Thr Val Ala Gly Ser Lys Met Gln
 85 90 95
 Thr Leu Leu Glu Asp Val Asn Thr Glu Ile His Phe Val Thr Ser Cys
 100 105 110
 Thr Phe Gln Pro Leu Pro Glu Cys Leu Arg Phe Val Gln Thr Asn Ile
 115 120 125
 Ser His Leu Leu Lys Asp Thr Cys Thr Gln Leu Leu Ala Leu Lys Pro
 130 135 140
 Cys Ile Gly Lys Ala Cys Gln Asn Phe Ser Arg Cys Leu Glu Val Gln
 145 150 155 160
 Cys Gln Pro Asp Ser Ser Thr Leu Leu Pro Pro Arg Ser Pro Ile Ala
 165 170 175
 Leu Glu Ala Thr Glu Leu Pro Glu Pro Arg Pro Arg Gln Leu Leu Leu
 180 185 190
 Leu Leu Leu Leu Leu Pro Leu Thr Leu Val Leu Leu Ala Ala Ala Trp
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 Gly Leu Arg Trp Gln Arg Ala Arg Arg Arg Gly Glu Leu His Pro Gly
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 Val Pro Leu Pro Ser His Pro
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<222> (30)..(734)

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	1				5					
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Ser Pro Thr Thr Tyr Leu Leu Leu Leu Leu Leu Ser Ser Gly Leu										
10					15			20		
agt ggg acc cag gac tgc tcc ttc caa cac agc ccc atc tcc tcc gac										149
Ser Gly Thr Gln Asp Cys Ser Phe Gln His Ser Pro Ile Ser Ser Asp					30			35		40
25										
ttc gct gtc aaa atc cgt gag ctg tct gac tac ctg ctt caa gat tac										197
Phe Ala Val Lys Ile Arg Glu Leu Ser Asp Tyr Leu Leu Gln Asp Tyr					45		50			55
cca gtc acc gtg gcc tcc aac ctg cag gac gag gag ctc tgc ggg ggc										245
Pro Val Thr Val Ala Ser Asn Leu Gln Asp Glu Glu Leu Cys Gly Gly							65		70	
ctc tgg cgg ctg gtc ctg gca cag cgc tgg atg gag cgg ctc aag act										293
Leu Trp Arg Leu Val Leu Ala Gln Arg Trp Met Glu Arg Leu Lys Thr							80		85	
gtc gct ggg tcc aag atg caa ggc ttg ctg gag cgc gtg aac acg gag										341
Val Ala Gly Ser Lys Met Gln Gly Leu Leu Glu Arg Val Asn Thr Glu							95		100	
ata cac ttt gtc acc aaa tgt gcc ttt cag ccc ccc ccc agc tgt ctt										389
Ile His Phe Val Thr Lys Cys Ala Phe Gln Pro Pro Pro Ser Cys Leu							110		115	120
105										
cgc ttc gtc cag acc aac atc tcc cgc ctc ctg cag gag acc tcc gag										437
Arg Phe Val Gln Thr Asn Ile Ser Arg Leu Leu Gln Glu Thr Ser Glu							125		130	135
cag ctg gtg gcg ctg aag ccc tgg atc act cgc cag aac ttc tcc cgg										485
Gln Leu Val Ala Leu Lys Pro Trp Ile Thr Arg Gln Asn Phe Ser Arg							140		145	150
tgc ctg gag ctg cag tgt cag ccc gac tcc tca acc ctg cca ccc cca										533
Cys Leu Glu Leu Gln Cys Gln Pro Asp Ser Ser Thr Leu Pro Pro Pro							155		160	165
tgg agt ccc cgg ccc ctg gag gcc aca gcc ccg aca gcc ccg cag ccc										581
Trp Ser Pro Arg Pro Leu Glu Ala Thr Ala Pro Thr Ala Pro Gln Pro							170		175	180
cct ctg ctc ctc cta ctg ctg ctg ccc gtg ggc ctc ctg ctg ctg gcc										629
Pro Leu Leu Leu Leu Leu Leu Leu Pro Val Gly Leu Leu Leu Leu Ala							185		190	195
										200
gct gcc tgg tgc ctg cac tgg cag agg acg cgg cgg agg aca ccc cgc										677
Ala Ala Trp Cys Leu His Trp Gln Arg Thr Arg Arg Arg Thr Pro Arg							205		210	215
cct ggg gag cag gtg ccc ccc gtc ccc agt ccc cag gac ctg ctg ctt										725
Pro Gly Glu Gln Val Pro Pro Val Pro Ser Pro Gln Asp Leu Leu Leu										

220 225 230

gtg gag cac tgacctggcc aaggcctcat cctgcggagc cttaaacaac 774
 Val Glu His
 235

gcagtgagac agacatctat catcccattt tacaggggag gatactgagg cacacagagg 834

ggagtcacca gccagaggat gtatagcctg gacacagagg aagttggcta gaggccggtc 894

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Gln His Ser Pro Ile Ser Ser Asp Phe Ala Val Lys Ile Arg Glu Leu
 35 40 45

Ser Asp Tyr Leu Leu Gln Asp Tyr Pro Val Thr Val Ala Ser Asn Leu
 50 55 60

Gln Asp Glu Glu Leu Cys Gly Gly Leu Trp Arg Leu Val Leu Ala Gln
 65 70 75 80

Arg Trp Met Glu Arg Leu Lys Thr Val Ala Gly Ser Lys Met Gln Gly
 85 90 95

Leu Leu Glu Arg Val Asn Thr Glu Ile His Phe Val Thr Lys Cys Ala
 100 105 110

Phe Gln Pro Pro Pro Ser Cys Leu Arg Phe Val Gln Thr Asn Ile Ser
 115 120 125

Arg Leu Leu Gln Glu Thr Ser Glu Gln Leu Val Ala Leu Lys Pro Trp
 130 135 140

Ile Thr Arg Gln Asn Phe Ser Arg Cys Leu Glu Leu Gln Cys Gln Pro
 145 150 155 160

Asp Ser Ser Thr Leu Pro Pro Pro Trp Ser Pro Arg Pro Leu Glu Ala
 165 170 175

Thr Ala Pro Thr Ala Pro Gln Pro Pro Leu Leu Leu Leu Leu Leu Leu
 180 185 190

Pro Val Gly Leu Leu Leu Leu Ala Ala Ala Trp Cys Leu His Trp Gln
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Arg Thr Arg Arg Arg Thr Pro Arg Pro Gly Glu Gln Val Pro Pro Val
 210 215 220

Pro Ser Pro Gln Asp Leu Leu Leu Val Glu His
 225 230 235

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